GDAŃSK UNIVERSITY OF TECHNOLOGY

Subject card

Subject name and code	INNOVATIVE PROJECT MANAGEMENT, PG_00071731		
Field of study	Management		
Date of commencement of studies	October 2026	Academic year of realisation of subject	2028/2029
Education level	first-cycle studies	Subject group	Optional subject group Subject group related to scientific research in the field of study
Mode of study	Full-time studies	Mode of delivery	at the university
Year of study	3	Language of instruction	English
Semester of study	5	ECTS credits	5.0
Learning profile	general academic profile	Assessment form	exam
Conducting unit	Department of Management Engineering and Quality -> Faculty of Management and Economics -> Faculties of Gdańsk University of Technology		
Name and surname of lecturer (lecturers)	Subject supervisor	dr hab. inż. Anna Lis	
	Teachers		

Lesson types

Lesson type	Lecture	Tutorial	Laboratory	Project	Seminar	SUM
Number of study hours	30.0	30.0	0.0	0.0	0.0	60

E-learning hours included: 0.0

Learning activity and number of study hours

Learning activity	Participation in didactic classes included in study plan	Participation in consultation hours	Self-study	SUM
Number of study hours	60	3.0	62.0	125

Subject objectives

The aim of the course is to provide knowledge on innovation processes and to develop competencies in planning, designing, and managing innovative projects.

Learning outcomes

Course outcome	Subject outcome	Method of verification
[K6_W04] possesses advanced knowledge of the principles of creative and entrepreneurial activity, enabling the identification and implementation of innovative ideas while ensuring compliance with copyright protection requirements.	The student knows and understands innovation processes, innovation models, as well as methods of idea generation and evaluation, and the principles of industrial property protection.	[SW1] Assessment of factual knowledge
[K6_K01] is ready to fulfill professional roles responsibly, taking legal, ethical, and cultural aspects into account in decision-making processes.	The student is prepared to make responsible decisions in innovative projects, taking into account legal, ethical, and market aspects.	[SK1] Assessment of group work skills
[K6_U05] designs innovative solutions for complex management processes by utilizing appropriate methods and techniques.	The student can identify market opportunities, design innovative solutions, and plan and manage innovative projects using appropriate methods and tools.	[SU4] Assessment of ability to use methods and tools

<table>
<tr><td>Subject contents</td><td>Course content – lecture
1. Introduction
2. Factors Influencing Innovation
3. Definitions of Innovation
4. Types of Innovation
5. Innovation Models
6. Innovative Activities
7. Innovation Process
8. Diffusion of Innovation
9. Sources of Innovation
10. Methods of Generating Ideas
11. Innovation Strategies
12. Industrial Property
13. R&D Project Management
14. Programs Supporting Innovation Development
15. Institutions Supporting Innovation Development
Course content – exercises
1. Introduction
2. Opportunity Identification
3. Product Planning
4. Identifying Customer Needs
5. Product Specifications
6. Concept Generation
7. Concept Selection
8. Concept Testing
9. Design for Environment
10. Design for Manufacturing
11. Prototyping
12. Patents and Intellectual Property
13. Product Development Economics
14. Managing Projects
15. Presentation</td></tr>
<tr><td>Prerequisites and co-requisites</td><td>No requirements</td></tr>
<tr><td>Assessment methods and criteria</td><td><table><tr><th>Subject passing criteria</th><th>Passing threshold</th><th>Percentage of the final grade</th></tr><tr><td>Project</td><td>60.0%</td><td>50.0%</td></tr><tr><td>Exam</td><td>60.0%</td><td>50.0%</td></tr></table></td></tr>
<tr><td>Recommended reading</td><td><table><tr><td>Basic literature</td><td>1. Trott, P. (2008). Innovation management and new product development. Pearson education.
2. Ettlie, J. (2007). Managing innovation. Routledge.
3. Keeley, L., Walters, H., Pikkel, R., & Quinn, B. (2013). Ten types of innovation: The discipline of building breakthroughs. John Wiley & Sons.
4. Oslo manual (2005). Paris and Luxembourg: OECD/Eurostat.</td></tr><tr><td>Supplementary literature</td><td>1. Osterwalder, A., & Pigneur, Y. (2013). Business model generation: a handbook for visionaries, game changers, and challengers. John Wiley & Sons.
2. Kim, W. C., & Mauborgne, R. A. (2014). Blue ocean strategy, expanded edition: How to create uncontested market space and make the competition irrelevant. Harvard business review Press.
3. Christensen, C. M. (2015). The innovator's dilemma: when new technologies cause great firms to fail. Harvard Business Review Press.</td></tr><tr><td>eResources addresses</td><td></td></tr></table></td></tr>
<tr><td>Example issues/ example questions/ tasks being completed</td><td>Please list and characterize the main forms of intellectual property protection.
Please explain the difference between an innovation and an invention.
Please list and describe the stages of the innovation process.</td></tr>
<tr><td>Practical activites within the subject</td><td>Not applicable</td></tr>
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